

## **New Development of Educational Management Informatization: Towards Intelligent Management**

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**Abstract:** the Internet of Things and Internet Technology Have Made Rapid Development, and Have Been More and More Widely Used in the Actual Production and Life. in the Field of Education, It Has Also Greatly Accelerated the New Development Process of Information Technology in View of This Situation, This Paper Focuses on the Application of Smart Management in the Campus as a Starting Point, Focusing on the Analysis and Exploration of the Important Role of Smart Management and How to Effectively Build Smart Campus, Hoping to Provide Useful Reference for Relevant Practitioners.

### **1. Introduction**

Generally Speaking, What We Call “Smart Campus”, or Moving Towards Smart Management in the Process of Campus Management, Mainly Refers to the Effective Support of a Series of Related Technologies Such as the Internet, Cloud Computing, Big Data, Etc., to Ensure That the Relatively Scattered Information Resources in the Campus Can Be Effectively Integrated, and to the Greatest Extent, Effectively for the Teachers in the Campus and Students to Provide the Most Convenient and Fast Information Services the Promotion and Development of Big Data and Internet of Things Technology Has Also Been Widely Used in Primary and Secondary Schools, and Its Education Management Mode Has Also Undergone Profound Changes, Further Moving Towards the Mode of Intelligent Management. through the Cloud Service Platform of Intelligent Management, the Education Management is More Timely and Effective, and More Operable[1]. in Data Mining, Real-Time Monitoring, and Teaching Conditions a Series of Related Aspects Have Very Good Performance, Which Makes the Educational Management Decision-Making in Primary and Secondary Schools More Scientific and Reasonable, and Also Makes the Real-Time Monitoring More Accurate and Effective.

### **2. The Application of Intelligent Management in Primary and Secondary Schools in China**

At Present, Internet Technology and Information Technology Have Made Rapid Development, Which Makes a Huge Change in All Walks of Life Around the World, Especially in the Process of Campus Management, More and More Intelligent Management, Intelligent Campus Has Taken Shape, Many Resources Are Turning to Investment in Education Information, Which Makes Information Technology Have a Profound Development in the Field of Education. Especially in the Primary and Secondary School Campus, the Implementation of Educational Informatization and Intelligent Management Plays an Important Role in the Improvement of the Quality of Primary and Secondary School Education and Management[2]. It Optimizes the Teacher's Lesson Preparation and All Aspects of Classroom Teaching, Effectively Improves the Classroom Efficiency, and Makes the Students' Learning Achievements to the Greatest Extent, Which to Some Extent Promotes the Learning Society in China the Establishment Has Also Played a Great Role in Promoting Our Country to Achieve the Goal of Building an Innovative Country the Construction of Smart Campus Has Great Practical Significance for the Improvement of Learning Efficiency of Primary and Secondary School Students. It Can Effectively Improve the Operation Efficiency and Quality of the Whole Campus System, Especially a Series of Related Technologies Such as

Learning Scenario Identification, Environmental Perception, Campus Mobile Internet, Etc., Which Makes Smart Campus Not Only a Concept, But Also Gradually Become a Reality in Fact, Great Social Benefits Have Been Achieved. However, in a Real Sense, It is Still in Its Infancy to Fully Realize Intelligent Management and Build a Smart Campus. This Requires a Long-Term Process, Which Requires the Joint Promotion and Effective Cooperation of All Aspects. in View of the Relevant Problems in the Specific Practical Operation Process, Further in-Depth and Detailed Exploration, Effective Solutions, Continuous Exploration and Evaluation Are Needed the Related Construction Projects Involved in Smart Campus Combine Theory and Practice Organically to Further Optimize the Teaching Process of Primary and Secondary Schools, Make the Management Process More Efficient, Promote the Construction of Digital Campus, and Fundamentally Promote the Effective Enhancement of Students' Innovation Ability and Independent Learning Ability.

### 3. The Main Role of Smart Management

#### 3.1 Build a More Scientific and Reasonable Network Teaching Platform with Pertinence

In the process of intelligent management, we should build a more scientific and reasonable network teaching platform, take this platform as the media, effectively use Internet technology and multimedia technology, and create a more ideal teaching environment. This platform mainly consists of two parts: resource management system and teaching platform[3]. It can fully stimulate the enthusiasm and initiative of primary and secondary school students, and make them have enthusiasm and interest in learning. Although this is a virtual environment, this network information environment enables teachers and students to effectively interact, produce interactivity, and make teaching efficiency and learning efficiency have both A lot of improvement.

Table 1 Analysis of Learning Self Needs of Chinese and Foreign Students

Project / Assessment	Weak%	Weaker%	Commonly%	Stronger%	Strong%
IELTS learning needs	0.9	6.28	43.89	40.50	8.43
Public English needs	0	5.23	59.84	20.08	18.74
Demand for foreign textbooks	0.5	12.55	64.53	12.38	10.09
Demand for bilingual teaching materials	0.3	13.97	59.67	14.54	11..43

#### 3.2 Teaching and Research Support Platform

This platform involves many fields, including education management system, teaching and research management and a series of related support systems[4]. Its basic purpose is to effectively enhance the professional skills of educators and managers to the greatest extent, effectively improve their professional quality and comprehensive quality, and make the education process and management process smooth Conduct.

#### 3.3 School Management System

The service object of the system is mainly the management department of the school. With the help of information technology, the relevant management departments can effectively connect multiple departments, effectively improve the work efficiency of various management work, and effectively ensure that all decisions can be more scientific and reasonable, and promote the sharing of resources between departments, so that the whole school can Park management is more effective and targeted.

Table 2 Comparison of Education Management Level between the Past and the Present

Past education management level		
5.0	5.5	6
10.89%	74.58%	14.5%
Current education management level		
5.0	5.5	6
42.3%	45.8%	11.9%

### **3.4 Campus Service System**

The service object of the system is mainly student groups, which covers all fields of learning and life, such as campus card, integrated electronic advertising, online learning services and other related links, which can fundamentally and effectively meet the objective needs of students in life and learning[5].

## **4. The Strategy of the New Development of Educational Management Informationization towards Intelligent Management**

### **4.1 Create a Smart Campus Intelligent Environment Effectively**

First of all, it is necessary to build a smart campus network infrastructure environment according to the specific situation, integrate the existing hardware and software foundation of primary and secondary schools in various regions, and further optimize and improve the relevant infrastructure, equipped with corresponding gateway equipment, network switches, wireless routing AP transponders, servers, data storage And a series of related hardware devices, so that information services can achieve the organic combination of wired and wireless, so that wireless network full coverage, fully realize information sharing and sharing Secondly, we should create a more perfect hardware and software environment for the smart classroom. Each smart classroom can be equipped with intelligent interactive led flat-panel TV, computer integrated machine or e-book package according to the specific situation[5]. At the same time, we should also have targeted configuration to support the interactive teaching and feedback between teachers and students, students' independent inquiry learning, collaborative learning and mobile learning wisdom Teaching support system Thirdly, a series of related intelligent management systems, such as the software and hardware equipment based on the Internet of things, the construction of the campus card intelligent perception system, and the campus security monitoring system, can provide information services for the campus management more timely and effectively.

### **4.2 Explore the Application Mode in Teaching and Research**

Further in-depth and detailed analysis and exploration are carried out according to the actual situation of various work in teaching, teaching and research, and corresponding education mode based on network environment is constructed, corresponding teaching reform experiments are carried out effectively, and network-based teaching mode is further optimized and improved, so as to fundamentally and effectively promote the reform of students' academic evaluation based on network and make students' learning environment better Environment can further present the advantages of digitalization, so that students' traditional learning methods can be effectively innovated, so that they can stimulate their own initiative and enthusiasm, actively cultivate their interest in learning, develop the habit of self inquiry learning, so that they can self-study and learn to create learning, so as to effectively build the support environment for intelligent education, Make full use of the intelligent teaching support environment and digital teaching tools, and carry out corresponding research and teaching practice activities, carry out independent inquiry learning, and carry out corresponding digital inquiry experiments[6]. At the same time, it can also carry out one-to-one digital learning and discussion, so that the new learning mode can fully show its own advantages, and in practice In the process, we should find out the rules and innovative methods of the new learning mode, organize relevant teachers and leaders at all levels, conduct technical discussion on the theory and practice content of the construction of smart campus and other relevant aspects, and carry out application training on the relevant theory and practice knowledge, so that school managers, teachers and students can effectively communicate and closely cooperate A group of high-quality intelligent teachers are trained fundamentally, and relevant experts and scholars are organized in a targeted way to carry out research and effective evaluation on the work of intelligent campus, conduct in-depth and detailed research on "intelligent campus" and other related experimental subjects, and deal with relevant issues effectively, so as to make the intelligent management work of primary and secondary schools more stable The advance of order.

### 4.3 Further Explore the Application Mode of Student Management

In the management of smart campus in primary and secondary schools, we should focus on providing practical and effective services for the management of primary and secondary school students, make full use of the campus card sensing system and campus security monitoring system based on the Internet of things, so that the daily management and learning management of students can be carried out more effectively, make full use of 3G technology effectively, and ensure the wisdom of students Card and “smart campus”[7] integrated management platform can be effectively constructed in a real sense, focusing on the attendance management, charge management, consumption management, dormitory management, home school interaction, field room management, book management, examination monitoring and safety management of students, which can effectively achieve intelligent management[8]. For example, the smart card commonly used in primary and secondary schools, or the campus one card, can effectively integrate a series of related functions and specific uses such as the authentication card, access card, meal card, library card, wallet, etc. of students' online identity to the greatest extent, and students can flexibly and freely carry out corresponding activities by using one card only Through the installation of the corresponding monitoring system in the campus, we can carry out timely and effective real-time monitoring in all kinds of examinations and campus security organized by the school[9]. The relevant managers only need to click the mouse to effectively carry out comprehensive management through the campus comprehensive management platform, and transmit the relevant information to the students, teachers and families in a timely and effective manner through such an effective platform On the long mobile client, parents and teachers can master students' learning and living conditions in a more in-depth and detailed way, fundamentally and effectively enhance the contact and interaction between parents and schools, and fully realize the intelligent management of teachers and students, classes and schools.

### 5. Conclusion

To sum up, the in-depth and detailed analysis and Exploration on the subject of the new development of educational management informatization towards intelligent management plays an important role in building a smart campus and fully realizing intelligent management, which is also the objective requirement of social development and educational modernization. Relevant aspects should effectively grasp the fundamental trend of education informatization driving education modernization, carry out targeted analysis on various problems in the process of education, fully grasp the current situation of intelligent management, make further innovation in a series of related aspects such as campus environment, school management, teachers' team and teaching system, and carry out sufficient reform to make education and teaching Improve the quality effectively.

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